



**ELECTRICAL SPECIFICATIONS**

Frequency Range	120 ~ 2,500	MHz
Coupling Tolerance	20 ± 3.50	dB, nom'l.
Flatness (Sensitivity)	± 2.00	dB, max.
Directionality	18	dB, min.
Main Line Insertion Loss	0.8	dB, max.
Main Line VSWR	1.3	:1, max.
Coupled Port VSWR	1.3	:1, max.
Forward Average Power	100	Watts, max.
Reverse Average Power	50	Watts, max.
Impedance	50	Ohms, nom'l.
Peak Power	UNSPEC'D.	kW, max (1μs, 2% duty)
Passive Intermodulation	UNSPEC'D.	2x +43 dBm, nom'l.

**MECHANICAL SPECIFICATIONS**

R.F. Interface	N Female
Operating Temperature	-40 ~ +85 °C (Tested at +25°C)
Environment	Indoor use only.
Humidity	90%, Non-Condensing
Weight	1.6 lb. Nom'l.

# WERBEL MICROWAVE

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**2CN1225-20**

**Dual Directional Coupler**

Connectors	Brass, Succoplate
Contact Pins	Beryllium Copper, Gold Plate
Insulators	PTFE
Housing	Aluminum, RoHS Chemical Conversion
Finish	Optional / Specify

REV	DESCRIPTION	ENG.	DATE
2	ECN 1094.	ETW	2/12/2017

Input power is rated for load VSWR of 1.20:1, max. Insertion loss excludes coupling/split loss.  
 All dimensions in inches with tolerance ± .010" and are typical unless otherwise specified.  
 Specifications are subject to change without notice. This document shall not form part of any contract.